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# Notice of Allowability

Applicati n No.

10/675,149

Examin r

Michael P Nghiem

Applicant(s)

NACHAMKIN, JACK

Art Unit

2863

## -- The MAILING DATE f this communication app ars on the cover sheet with the correspond nce address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachm nt(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 1-12-04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

***Examiner's Amendment***

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given by Mr. Mark Lorbiecki during a telephone interview on January 28, 2005.

2. The application has been amended as follows:

In the specification:

Page 12, line 9, after "submatrix" replace "312" with – 314 --.

Page 15, line 23, after "representation" delete "700".

Page 19, line 3, after "system" delete "900".

Page 20, line 1, replace "Doctor" with – Adapter --.

In the drawings (see the attached proposed changes):

Fig. 3, replace "312" with – 310 --; insert – 320 --.

In Claim 22:

line 1, after "A" replace "method of" with – computer program product for --.

In Claim 35:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 36:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 37:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 38:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 39:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 40:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 41:

line 1, after "Claim", replace "33" with – 34 --.

In Claim 42:

line 1, after "Claim", replace "33" with – 34 --.

### ***Reasons For Allowance***

3. The combination or method as claimed wherein formulating a plurality of approximation functions including simplifying a set of method of moments equations based on Kirchhoff's first law to provide an impedance matrix multiplied by a solution vector equated with a right hand side vector; setting a plurality of boundary conditions for the plurality of approximation functions; and solving the plurality of approximation functions for the solution vector (claims 1, 22, 34) is not disclosed, suggested, or made obvious by the prior art of record.

Alba (US 2003/0167156) discloses a method and apparatus for predicting scattered waves (acoustic, electromagnetic, elastic) (Abstract, lines 1-4). However, Alba does not disclose at least formulating a plurality of approximation functions including simplifying a set of method of moments equations based on Kirchhoff's first law to provide an impedance matrix multiplied by a solution vector equated with a right hand side vector.

### ***Contact Information***

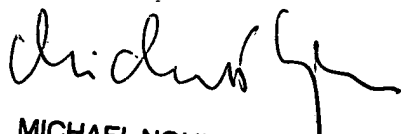
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P Nghiem whose telephone number is (571)

Art Unit: 2863

272-2277. The examiner can normally be reached on M-H.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**MICHAEL NGHIEM**  
**PRIMARY EXAMINER**

Michael Nghiem

January 28, 2005